



Dimensional *String Art*

HA 20



made easy

13-99054



Hazel's Guest Artist

"String along with Irene" . . . pardon our pun, but that's exactly what you'll be doing when you re-create the exciting String Art projects brought together in this book. Irene Ritter, staff artist at Hazel Pearson Handicrafts designed both the Butterfly & Roadrunner projects featured on pages 12 and 13. She also was completely responsible for the layout, design and editing of this book. Graphic Arts are not new to this bright young lady. For the past 5 years, Irene has been an important member of the creative art department at Hazel's, involved in catalog production, craft books, and photography.

Although Irene has touched upon most craft mediums over the years, she and her husband are particularly fascinated in String Art. Her husband Vic, (shown on the cover with Irene) found the mathematical and geometric aspects of String Art to be a very appealing craft for men.

When Irene isn't experimenting with some new craft, she's constantly kept busy at her favorite pastime . . . showing her Irish Setter and two English Springer Spaniels in and around Southern California.

String Art... made easy

. . . "String-Art" is by all means not a new form of art to most people. Remember when you learned to create simple geometric designs on paper in your art and math classes at school? Well the basic techniques of making those simple basic designs and creating exquisite String-Art projects are the same. String pictures are made entirely by a multitude of straight lines made by stretching the string between 2 points. Many pleasing designs & shapes can be created just by using your own creativity. To learn the basic fundamentals of string-art, we suggest starting with one of the simpler designs such as the circle or teardrop before attempting the more difficult projects like the sailing boat and the roadrunner. Once you've mastered the basic steps you'll be creating your own string art projects in no time! Have fun and enjoy making these outstanding decorator pieces, you'll be proud to display in your home or office. They'll be sure to give any room a notable touch of distinction.

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Materials Required:

Materials used in String Art are: Thread, board, nails, felt or velvet, hammer, scissors, white glue and tracing paper. Optional materials such as driftwood and wire may also be used. Board may be either plywood, particle board, wallboard or other wood of your choice approximately 3/8" to 5/8" thick.

Choose fabric of your choice in suitable color to enhance your desired project. Black velvet or felt is the most popular since it adds a dramatic effect to the finished art. If the project uses dark colored threads, then of course, it would be wise to choose a lighter, brighter color.

Getting down to Basics

Adding Hanger

Sawtooth hangers are ideal for hanging boards. Number of hangers per project will depend on size of board. If wallboard is being used for larger sized projects it is then wise to use a hanger cord. The hanger cord must be attached to the board before the board is covered with fabric. Punch two holes in the board, each 2" from top and 3" in from side using ice pick, awl, etc. Run a piece of heavy duty cord or wire through holes and tie together in back leaving no slack in cord. Fig. A. Use a strip of paper tape 1" - 2" wide and adhere over cord crossing front side of board. This will prevent the cord from showing when board is covered with fabric.

Covering Board

Apply Hazel's Crafty White Glue (WG 52)* or Hazel's Super Tacky Craft Glue (WG 40)* lightly to face of board. A spatula works great for spreading the glue evenly. Be sure to press fabric first and then place evenly on board. Pull fabric tightly for a smooth surface. Apply glue to edges of board and glue fabric in place. Miter each corner on backside of board as shown in Fig. B., by cutting away excess fabric. This allows the remaining fabric to lie flat when glued to back of board. Fig. C.

Preparing Pattern:

Trace string art pattern onto tracing paper. Using one of your nails poke holes through center of "dot" marks, forming holes in pattern to drive nails through. With a pair of scissors, cut out the center area of the diagram inside the nail holes, along line, as indicated on pattern. This enables the pattern to be torn easily away from nails after project is finished. Tape pattern over fabric covered board with masking tape. Fig. D. Make sure pattern is centered.

Adding Nails:

Place the board on top of a piece of scrap wood or on concrete. Pound the nails in as straight as possible. To measure each nail for correct height make a small wooden measuring block as shown in Fig. E. If a concrete base is used, be careful that nails are not bent when they go thru. Tap lightly! If a wooden base is used, simply pound any protruding points back flush with the bottom of the board. Straighten all nails by bending them back to vertical. They must be as straight as possible. View them from several angles to check for straightness.

Wrapping String:

Be sure to note whether the thread is to be wrapped counter-clockwise, clockwise or completely around the nail. Most projects require you to "wrap" your thread counterclockwise, which is actually only hooking the thread around the backside of the nail. Clockwise wraps usually result in crossed threads in front of the nail. Fig. F. Be sure to hold the thread taut at all times while stringing the design. Tie the thread to starting nail leaving a 4" length of thread. Glue knot to secure and proceed with project.

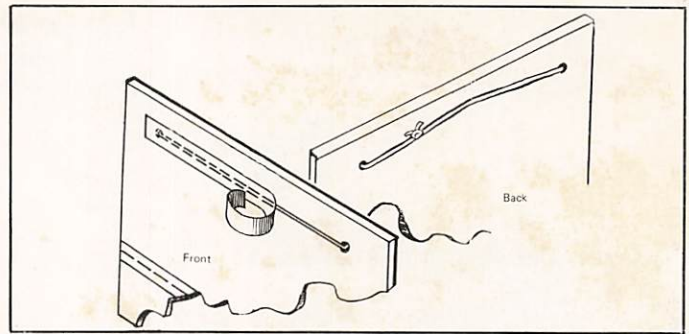


Fig. A.

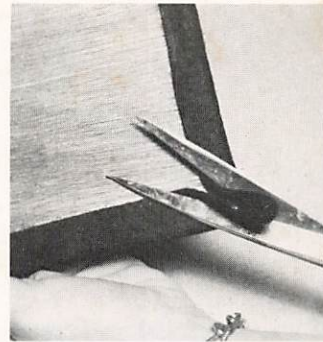


Fig. B.

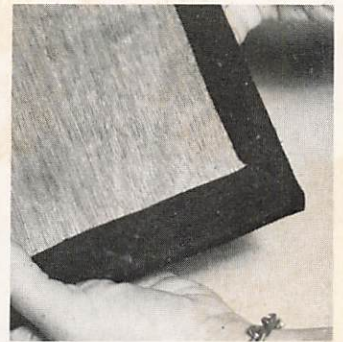


Fig. C.

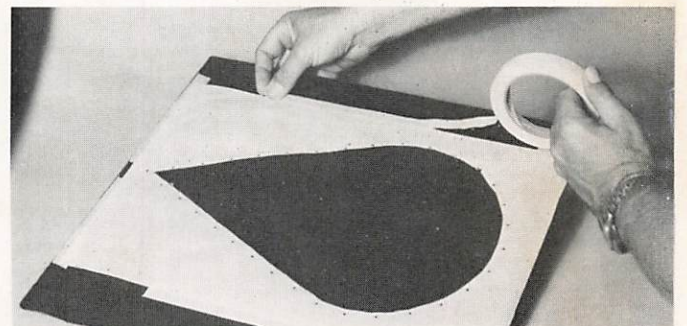


Fig. D.

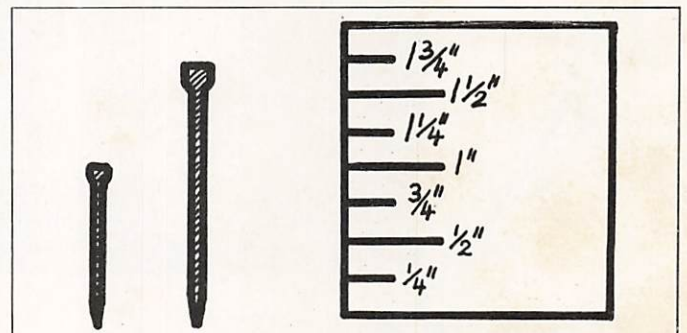


Fig. E.

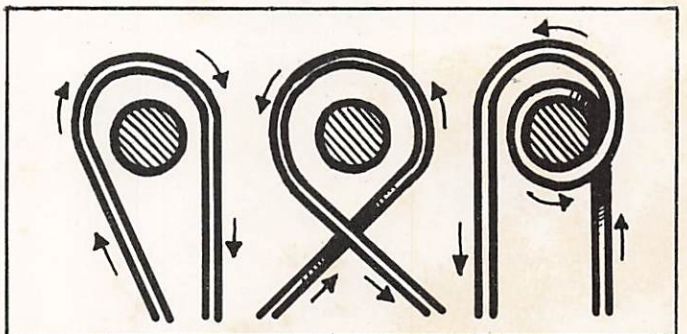


Fig. F.

Starburst



A burst of color that will boldly dramatize any room setting. The "Starburst" mixes well with any style of furniture. Just choose your favorite colors and begin stringing up this star project which measures 11" x 18" when completed.

MATERIALS USED FOR STARBURST:

11" x 18" Board
14" x 21" Fabric (Black felt shown)
Hazel's Crafty White Glue — WG 52
38 2" Nails
4 colors Thread — 20 yards each
Sawtooth Hanger — HW 79



DIRECTIONS:

NOTE: Follow basic instructions on page 3 and cover board with fabric. Continue reading the remaining instructions before proceeding. Make all wraps counterclockwise.

1ST LAYER: Tie thread to top of nail no. 1, leaving 4" length of thread free at end. Wrap the thread from no. 1 around no. 17, then back to 2, to 18, to 3, 19, 4, 20, 5, 21, etc. Continue this pattern until you have reached the same two points (1 & 17) you started from. Do not be confused with reaching nail no. 1. You must reach the same two starting points of 1 and 17 to have completed your pattern. Cut the thread at this point approximately 4" past nail no. 1 and tie the two thread ends together at the nail. Push completed layer down evenly to the bottom. Cut off excess thread 1/8" from knot. Secure knot with a small spot of white glue.

2ND LAYER: Tie thread onto nail no. 1 as above. Go to nail 16, back to 2, 17, 3, 18, 4, 19, 5, 20, 6, etc. until you reach the two starting points. Cut and tie thread as before. Push this layer down evenly to approximately 1/2" from bottom. View it from the side to check for threads that are too high or too low. Cut off excess thread.

3RD LAYER: Tie thread onto nail no. 1. Go to 15, 2, 16, 3, 17, 4, etc. Continue pattern until you reach the starting points. Again, tie off, and push down layer to about 1" from the bottom. Cut off excess thread.

4TH LAYER: Tie onto no. 1. Go to 14, 2, 15, 3, 16, 4, 17, 5, etc. Continue to starting points. Tie off and cut excess thread. Place a small drop of glue on each knot to insure against their slipping. Top layer should remain at the top of the nails. When design is complete, pull paper pattern from board.

SUGGESTED COLOR PATTERN:

1st Layer — Lt. Yellow Thread
2nd Layer — Canary Yellow Thread
3rd Layer — Lt. Gold Thread
4th Layer — Orange Thread

Place position no. 1 at top. Starburst may be hung vertically or horizontally. Take your choice!

Square

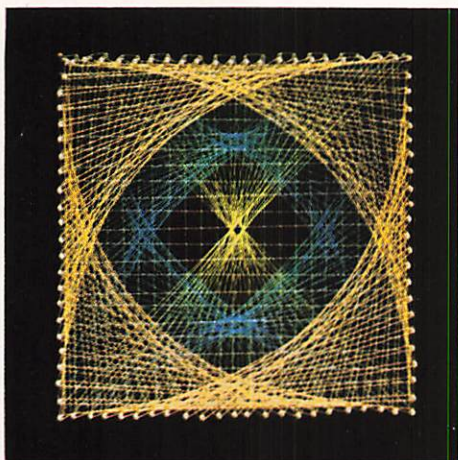
Try this one!! It's sure to make a hit with anyone who becomes the recipient of such a unique gift. Our 11" x 11" square is created in four vibrant colors & is truly a delicate piece of craftsmanship. See color photograph on page 9.

MATERIALS NEEDED FOR SQUARE:

11" x 11" Board
14" x 14" Fabric (Black felt shown)
88 2" Nails
Sawtooth Hanger — HW 79
4 colors thread
Hazel's Crafty White Glue — WG 52

SUGGESTED COLOR PATTERN:

1ST LAYER: White
2ND LAYER: Yellow
3RD LAYER: Blue
4TH LAYER: Gold



Brilliant chrome frames are ideal for framing string art projects, capturing the room's light and adding to the beauty of your picture. Great for contemporary living.

Whatever the decor . . . the right frame can turn any String Art picture into a lovely decorator piece to compliment any style.

DIRECTIONS:

NOTE: Follow basic instructions on page 3 and cover board with fabric. Continue reading the remaining basic instructions before proceeding. Make all wraps on 1st layer clockwise and all wraps on 2nd, 3rd, and 4 layers counterclockwise.

1. **1ST LAYER:** Tie thread onto nail number 1. From nail 1 go around nail 2, across and down around nails 66 and 65, back up around 3 and 4, down to 64 and 63, up to 5 & 6, down to 62 & 61, etc. until you reach nail no. 46. From 46 go around the corner to nails 45 & 44, across to opposite side and around 68 & 69, across to 43 & 42, across to 70 & 71, etc. until you reach nail no. 88. Go around nail 1 and over to nail no. 7. From 7 go diagonally to nails 39 & 40, back around 6 & 5, to 41 & 42, to 4 & 3 and on until you reach nail no. 51. Go around 51 and then to nail 61. Run thread diagonally to 29 & 28, to 62 & 63, to 27 & 26, to 64 & 65, etc. until you reach nail no. 17. From there run thread back to nail no. 1. Cut and tie tail ends together. Push this layer down evenly to bottom.

2. **2ND LAYER:** Tie thread onto no. 1. Wrap thread in the following order making all wraps counterclockwise:

1-45	7-51	13-57	19-63
2-46	8-52	14-58	20-64
3-47	9-53	15-59	21-65
4-48	10-54	16-60	22-66
5-49	11-55	17-61	23-67
6-50	12-56	18-62	

Run thread along inside of nails back to no. 1. Cut and tie tail threads together. Push this layer down to 1/2" above board.

3. **3RD LAYER:** Tie onto nail 1. Go to 57, 2, 58, 3, 59, 4, 60, 5, etc. Continue this pattern until you reach the first two starting points (1-57). Tie off as before and push down layer evenly to approximately 1" from bottom.

4. **4TH LAYER:** Repeat the same procedure as in step three except use different starting points. Begin at 1 and wrap to 67, 2, 68, 3, 69, etc. Continue pattern until reaching starting points (1-67). Leave this layer at top of nails.

5. Cut off all excess tail threads 1/8" from nail. Add a dab of Hazel's Crafty White Glue to each knot to secure.

6. Add sawtooth hanger to back side of board.

Circle

One of the simplest of all string designs but certainly not any less popular. Create one or more in bright colors to add to the mood of any den or office. Warm yellow and orange hues were used in this design as shown on back cover.

DIRECTIONS:

NOTE: Following basic instructions on page 3, cover board with fabric. Continue to read entire basic instructions before proceeding. All wraps are counterclockwise.

1ST LAYER: Tie thread onto nail no. 1. String around nails in following order wrapping around all nails counterclockwise:

1-16	9-24	17-4	23-10
3-18	11-26	19-6	25-12
5-20	13-28	21-8	27-14
7-22	15-2		

Return thread to nail no. 1 and tie off. Push completed layer down evenly to bottom of nails.

2. 2ND LAYER: Tie onto nail no. 1 and wrap design in following order:

1-13	8-20	15-27	22-6
2-14	9-21	16-28	23-7
3-15	10-22	17-1	24-8
4-16	11-23	18-2	25-9
5-17	12-24	19-3	26-10
6-18	13-25	20-4	27-11
7-19	14-26	21-5	28-12

Return thread to nail no. 1 and tie off. Push this layer down 1/2" above board.

3. 3RD LAYER: Tie thread onto nail 1 and wrap as follows:

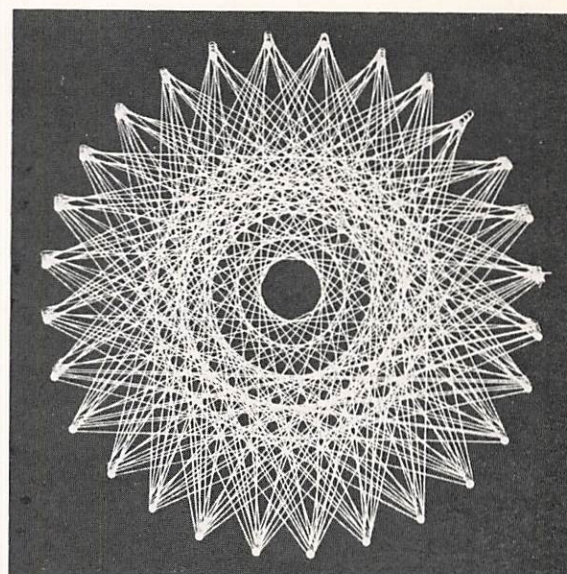
1-12	8-19	15-26	22-5
2-13	9-20	16-27	23-6
3-14	10-21	17-28	24-7
4-15	11-22	18-1	25-8
5-16	12-23	19-2	26-9
6-17	13-24	20-3	27-10
7-18	14-25	21-4	28-11

Return thread to nail no. 1 and tie off. Push this layer down 1" from board.

4. 4TH LAYER: Tie thread onto nail no. 1 and wrap in following order: Leave this layer at top of nails.

1-11	9-19	17-27	24-6
2-12	10-20	18-28	25-7
3-13	11-21	19-1	26-8
4-14	12-22	20-2	27-9
5-15	13-23	21-3	28-10
6-16	14-24	22-4	
7-17	15-25	23-5	
8-18	16-26		

Return thread to nail no. 1 and tie off.



CIRCLE PATTERN:

Place pattern on fold of tracing paper as indicated. Number 2nd side of circle 15 thru 28, working in clockwise order as shown on 1st side.

MATERIALS USED FOR CIRCLE:
 11" x 11" Board
 14" x 14" Fabric (Black felt shown)
 28 2" Nails
 4 colors Thread - 13 yards each
 Hazel's Crafty White Glue - WG 52
 Sawtooth Hanger - HW 79

SUGGESTED COLOR PATTERN

1ST LAYER: Lt. Yellow
 2ND LAYER: Canary Yellow
 3RD LAYER: Orange
 4TH LAYER: Gold

5. Cut off all tail end threads 1/8" from nail. Add a dab of Hazel's Crafty White Glue to each knot to secure.

6. Nail sawtooth hanger to back side of board to complete.

Place on Fold

Teardrop

A simple basic design that will add a simple touch of elegance to the finest of offices, homes, or wherever it is used.

MATERIALS USED ON TEARDROP:

11" x 18" Board
14" x 21" Fabric (Black felt shown)
32 2" Nails
4 colors Thread — 12 yards each
Sawtooth Hanger — HW 79
Hazel's Crafty White Glue — WG 52

SUGGESTED COLOR PATTERN:

1st Layer — White
2nd Layer — Lavendar
3rd Layer — Lilac
4th Layer — Purple

DIRECTIONS:

NOTE: Follow basic instructions on page 3 and cover board with fabric. Continue reading the remaining instructions before proceeding. Make all wraps counterclockwise.

1. **1ST LAYER:** Tie thread onto top of nail no. 1 and wrap Teardrop design in the following order:

1-14	6-19	11-24	16-29
2-15	7-20	12-25	17-30
3-16	8-21	13-26	18-31
4-17	9-22	14-27	19-32
5-18	10-23	15-28	20-1

After returning to nail no. 1, cut and tie off thread. Push completed layer down evenly to bottom of board.

2. **2ND LAYER:** Tie thread onto top of nail no. 1 and wrap second layer in the following order:

1-13	6-18	11-23	16-28
2-14	7-19	12-24	17-29
3-15	8-20	13-25	18-30
4-16	9-21	14-26	19-31
5-17	10-22	15-27	20-32
			21-1

Cut thread 4" from nail no. 1 and tie off. Push layer down 1/2" from bottom.

3. **3RD LAYER:** Tie thread onto nail no. 1 and wrap 3rd layer in following order:

1-12	7-18	13-24	18-29
2-13	8-19	14-25	19-30
3-14	9-20	15-26	20-31
4-15	10-21	16-27	21-32
5-16	11-22	17-28	22-1
6-17	12-23		

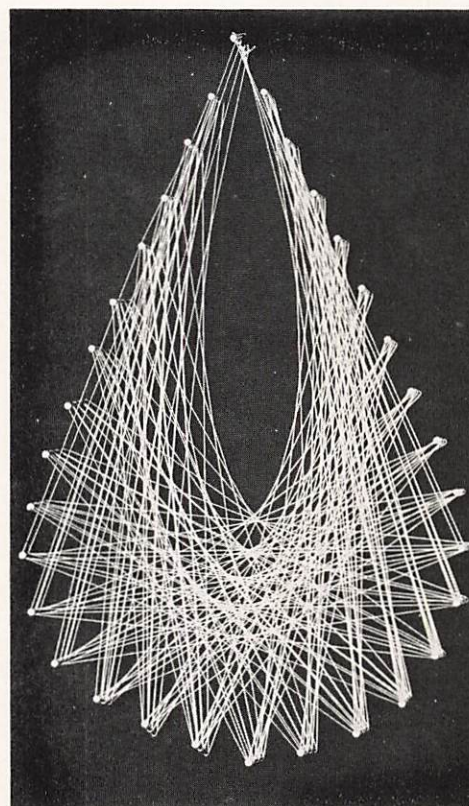
Cut and tie off thread at nail no. 1. Push layer down 1" from bottom.

4. **4TH LAYER:** Tie thread onto nail no. 1. Wrap 4th layer in following order:

1-11	7-17	13-23	19-29
2-12	8-18	14-24	20-30
3-13	9-19	15-25	21-31
4-14	10-20	16-26	22-32
5-15	11-21	17-27	23-1
6-16	12-22	18-28	

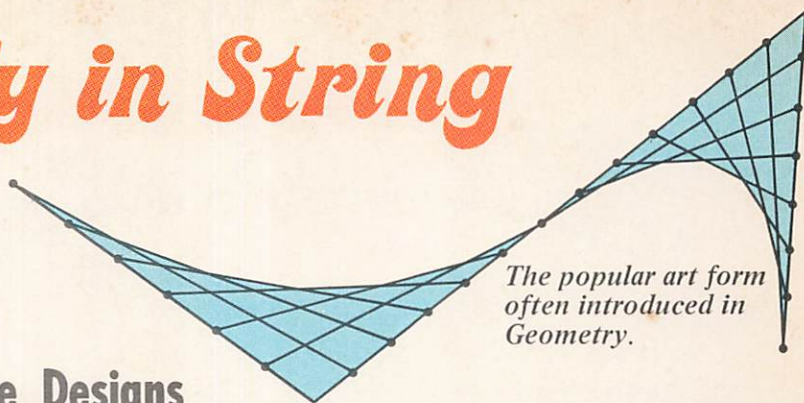
After returning to nail no. 1, cut and tie off. Leave this layer at the top of the nails.

5. Cut off all tail ends 1/8" from nail. Add a dab of Hazel's Crafty White Glue to secure.
6. Nail sawtooth hanger to back side of board.



A Rhapsody in String

... how to create
string art designs



*The popular art form
often introduced in
Geometry.*

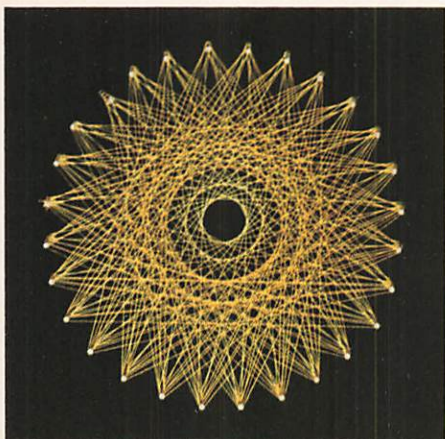
Circle Designs

Stunning two dimensional designs like the one shown can be made using circles. Design shown uses a circle design with equally spaced points. Equal points can be made with the use of a protractor as in Fig. 1. or with a compass.

Different sized inside circles are determined by the number of nails skipped between each wrap. In Fig. 2, three nails were skipped, producing a large circle slightly smaller than the original circle. In Fig. 3, eight nails were skipped and a small circle was produced. Fig. 4 shows Figures 2 and 3 combined together.

When multiple layers are used, always wrap the smallest circle first, so succeeding layers will not hide the circles beneath them.

If the protractor is moved from the center point of the circle, Fig. 5, unequal points will be produced around the circumference. When design is wrapped it will result in ovals offset from center of circle. See Fig. 6.



Turn to page 6 for Circle design.

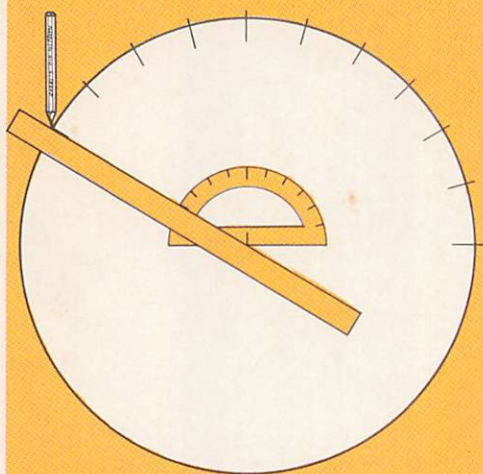


Fig. 1. Circle with equal spaces

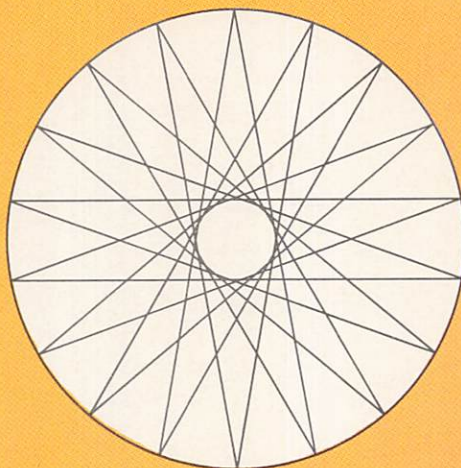


Fig. 3.

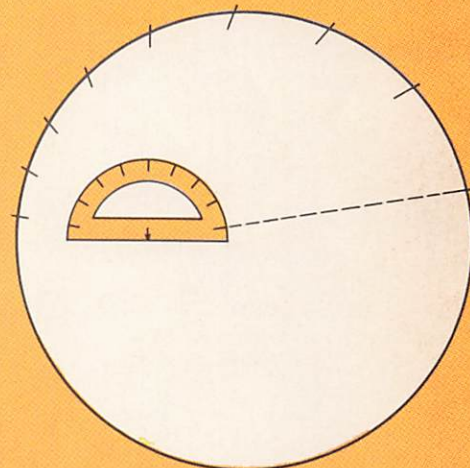


Fig. 5. Circle with unequal spaces

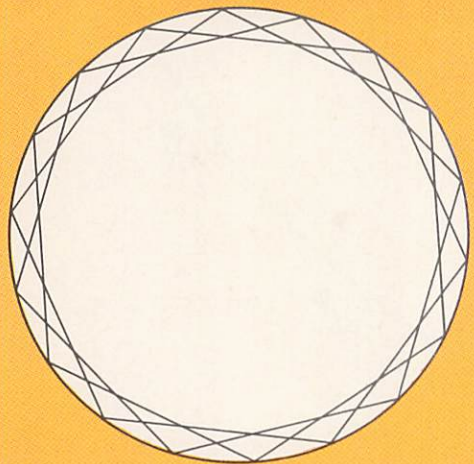


Fig. 2.

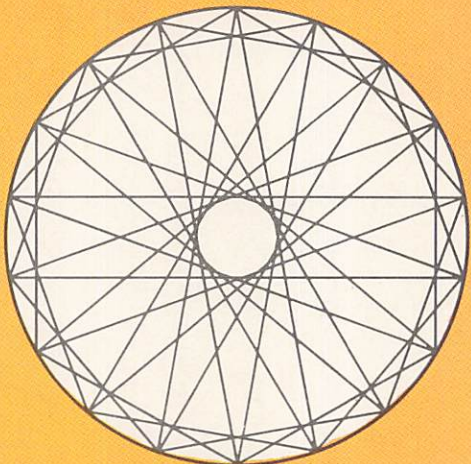


Fig. 4.

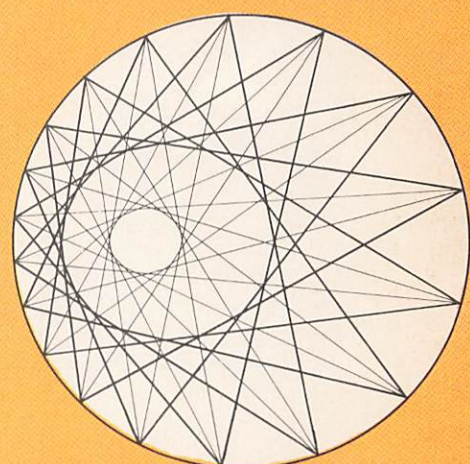
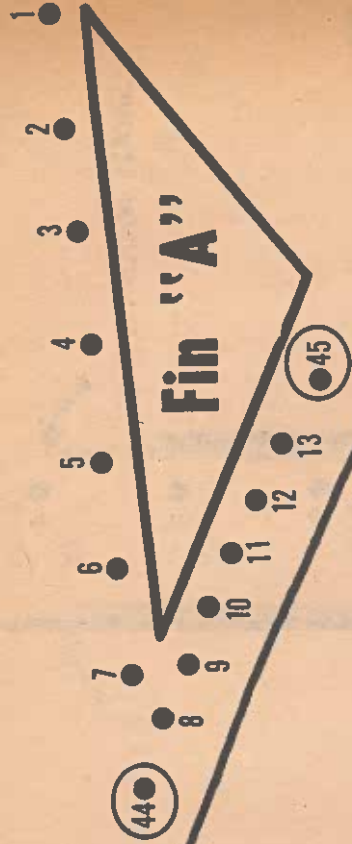


Fig. 6.

42

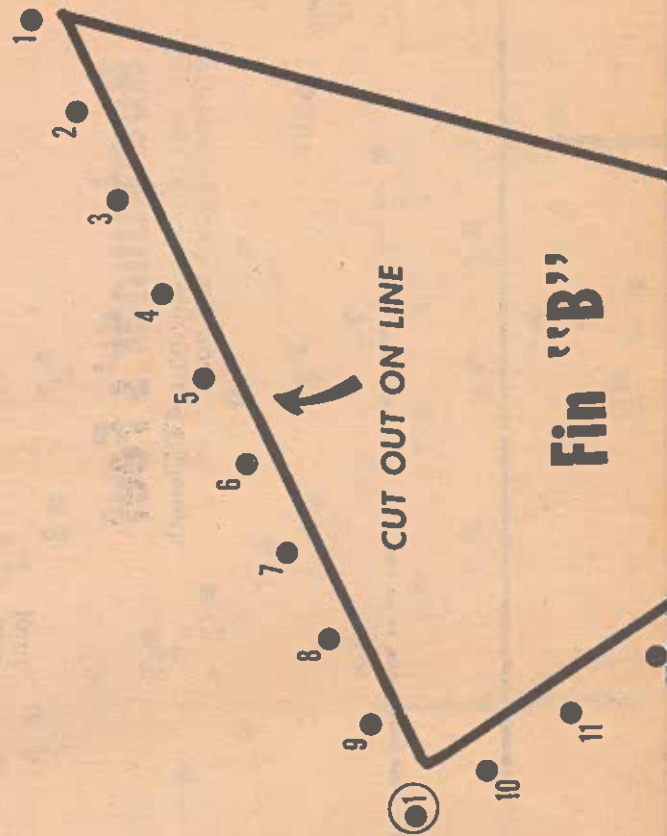
43



Fin "A"

46

47



CUT OUT ON LINE

Fin "B"

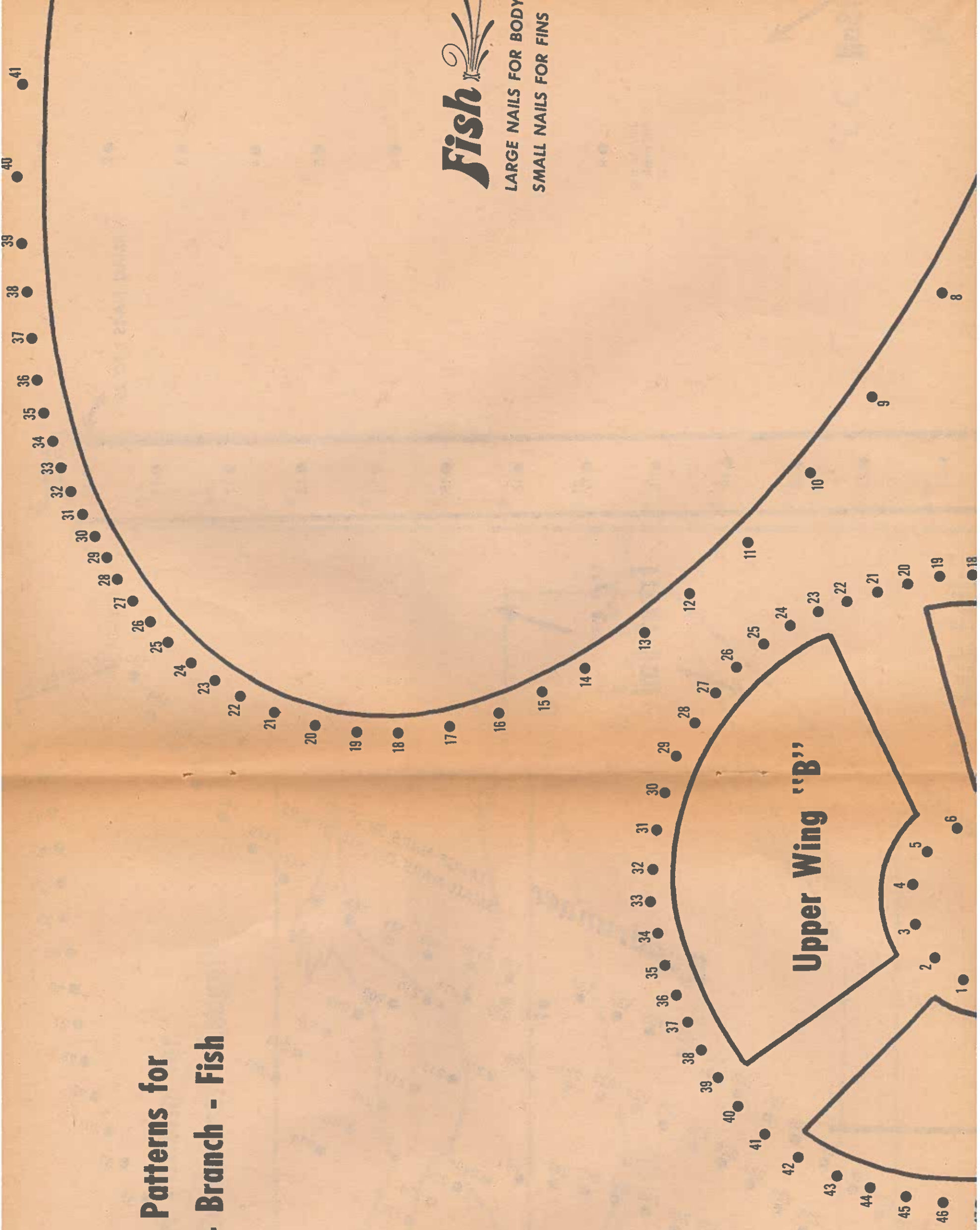
String Art Patterns for Butterfly - Branch - Fish

Fish
LARGE NAILS FOR BODY
SMALL NAILS FOR FINS

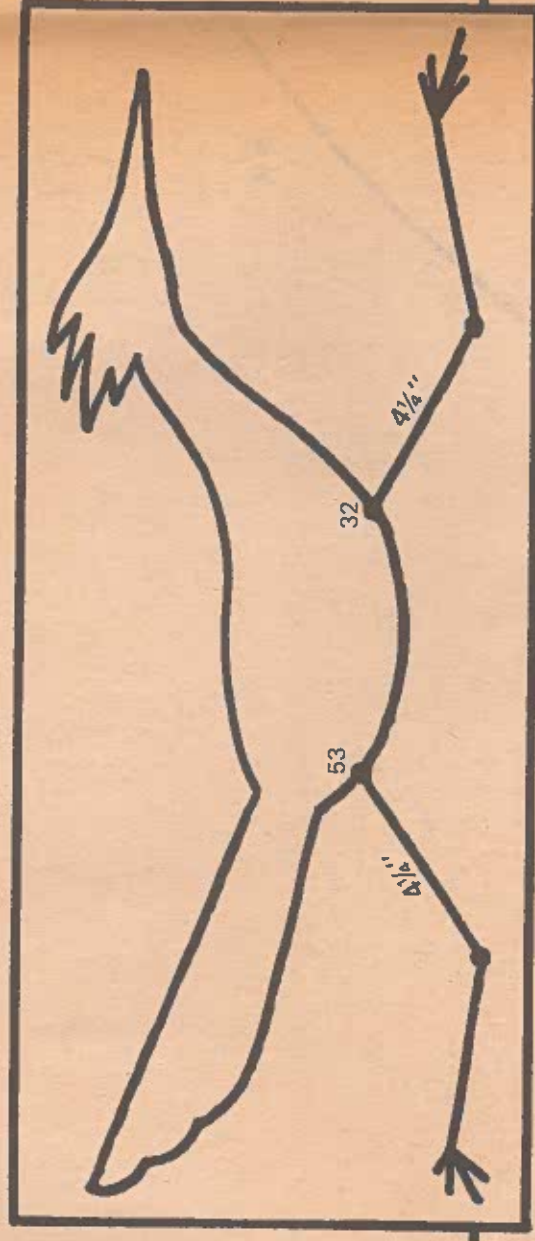
butterfly

LARGE NAILS ON 22 TO 42
SMALL NAILS ON ALL OTHERS

Upper Wing "B"



String Art Patterns for Sailing Boat - Roadrunner - Seagulls



Join to nail no. 32, leaving a 4 1/4" length
between leg joint (269) and body.

Roadrunner's Feet
Join legs to body, leaving a 4 1/4" length
between leg joint and body

- 281
- 282
- 283
- 284

- 270
- 271
- 272
- 273
- 274
- 275
- 276
- 277
- 278

Join to nail no. 53, leaving a 4 1/4" length
between leg joint (279) and body.

- 279 joint

Attach no's
1 thru 3

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 12
- 13
- 14
- 15
- 16
- 17

SMALL NAILS 1 TO 20

Join to top
of mask

"C-C" Cent

"D" Back Sail

Sail

Join to top
of mask

SMALL NAILS 1 TO 25

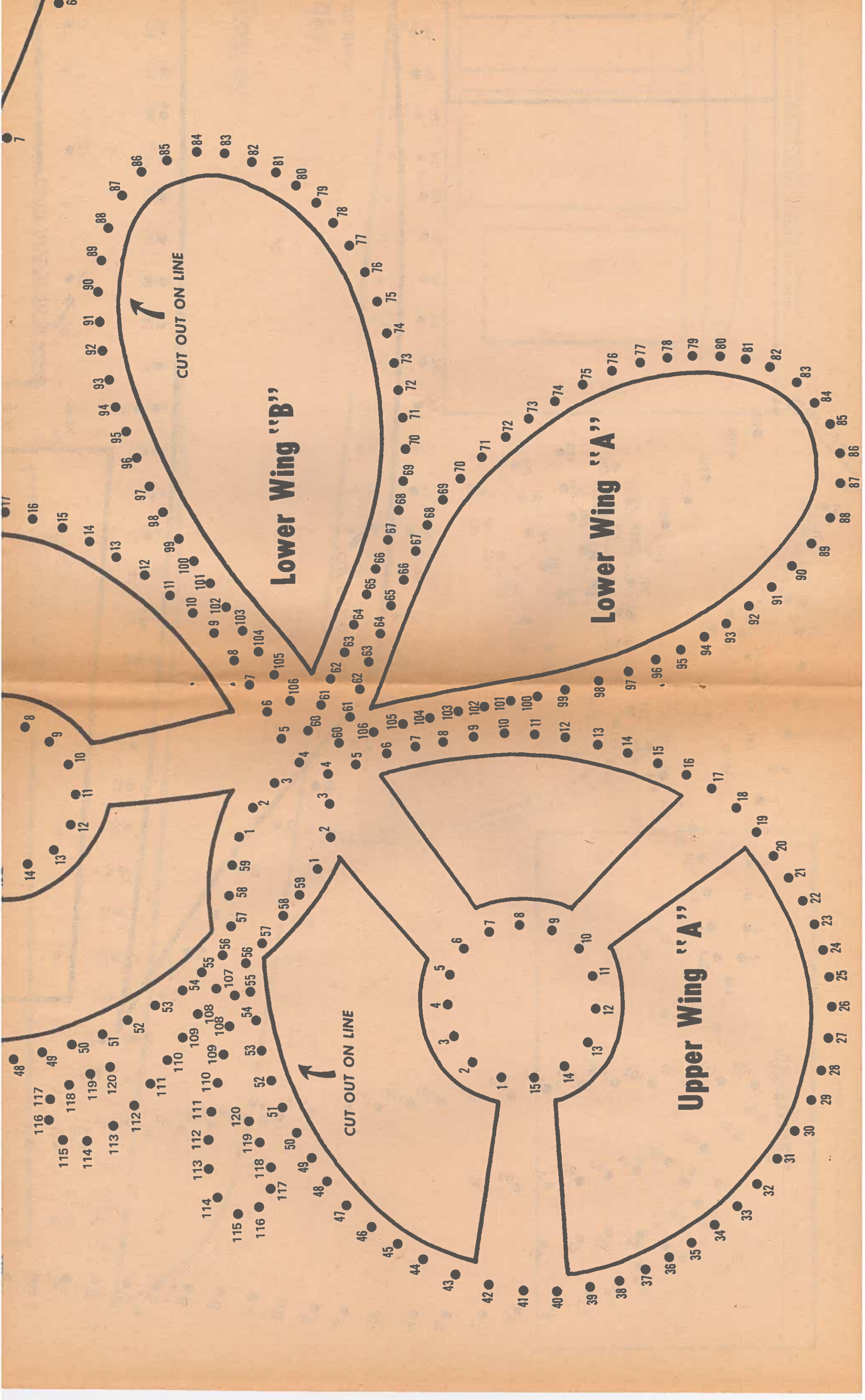
Attach no's.
1 thru 9

"C-F"
Front Sail

Roadrunner

LARGE NAILS 58 TO 123
SMALL NAILS ON ALL OTHERS

ATTACH HEAD



Lower Wing "B"

Lower Wing "A"

Upper Wing "A"

CUT OUT ON LINE

CUT OUT ON LINE

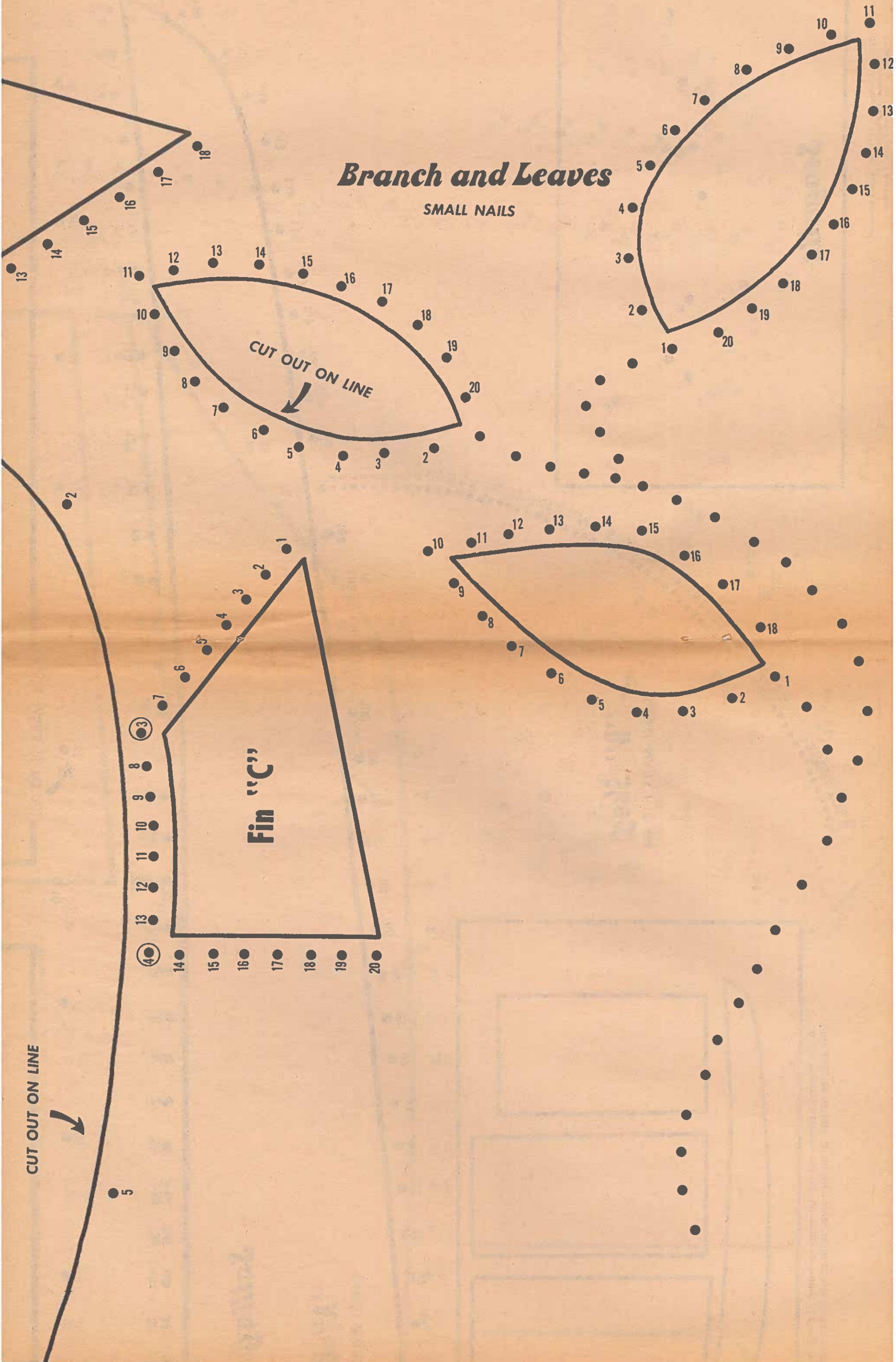
Branch and Leaves

SMALL NAILS

CUT OUT ON LINE

Fin "C"

CUT OUT ON LINE



LARGE NAILS 26 TO 31

28 27 26

34 35 36 37 38 39 40 41 42 25 24 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59

Boat
dy
TO 117

CUT OUT ON LINE

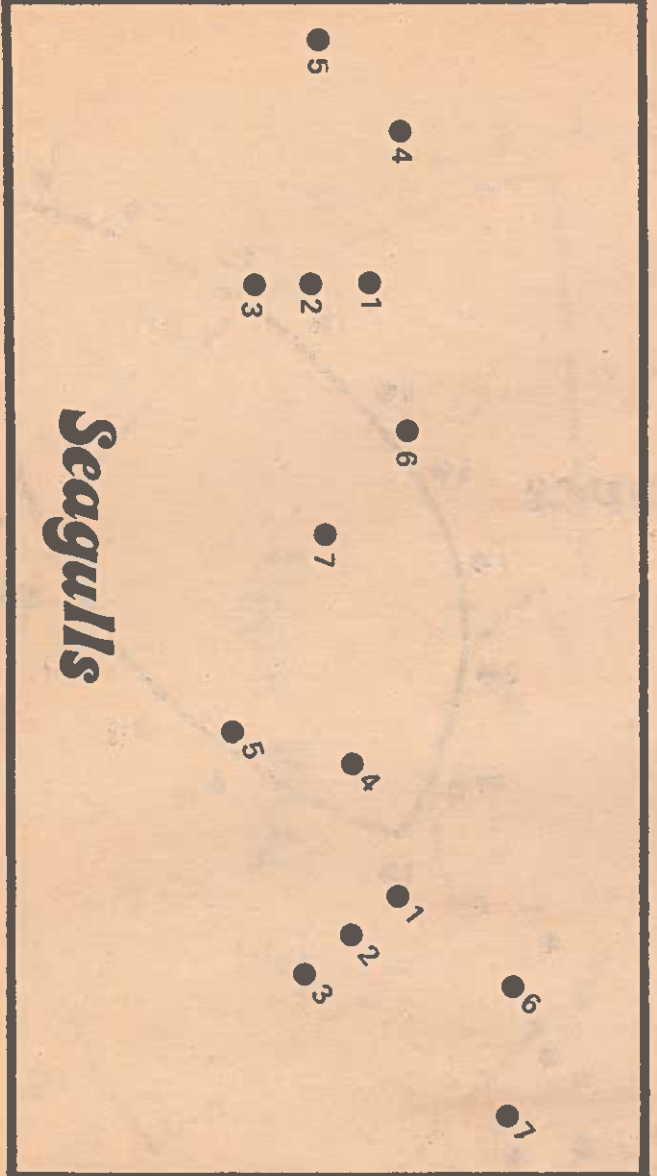
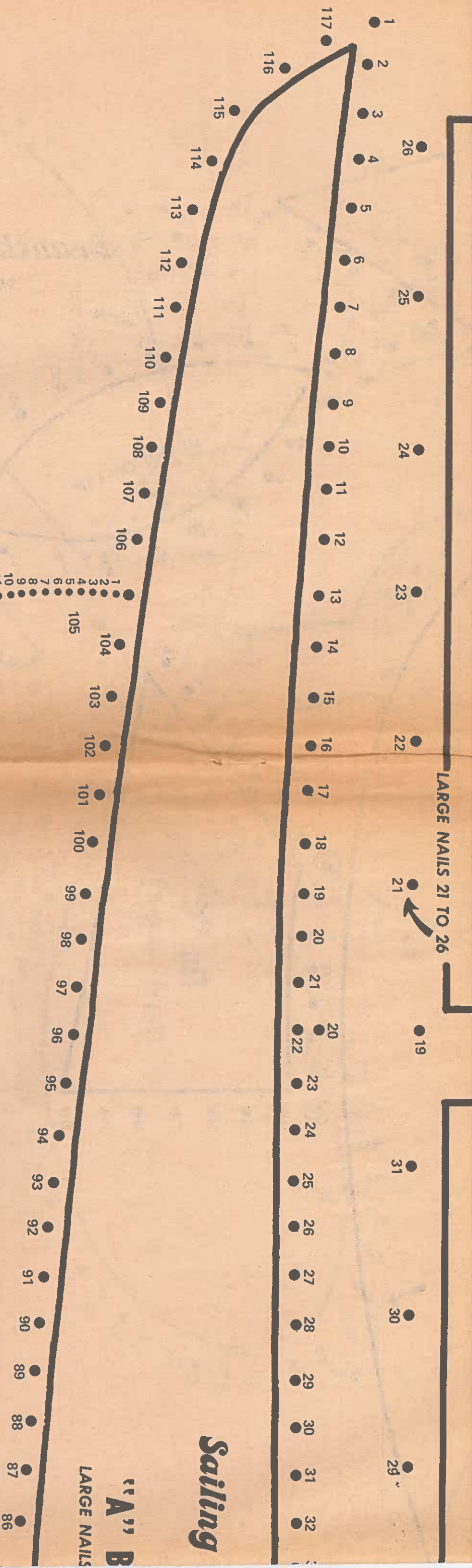
84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60

ATTACH TO BODY

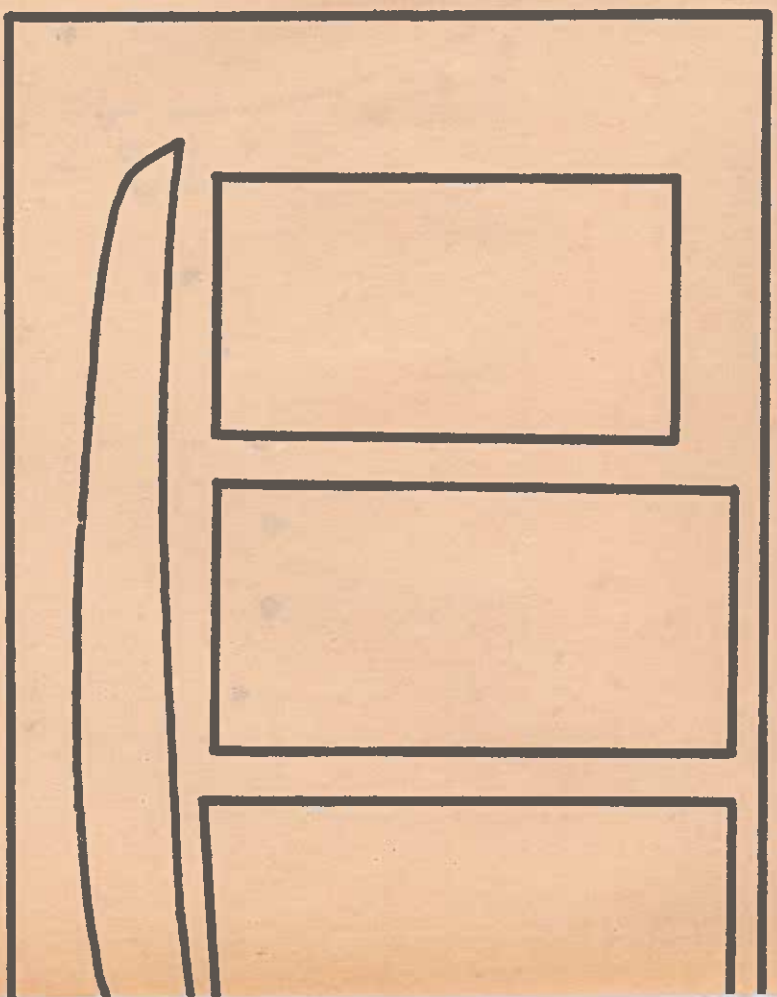
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204

17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

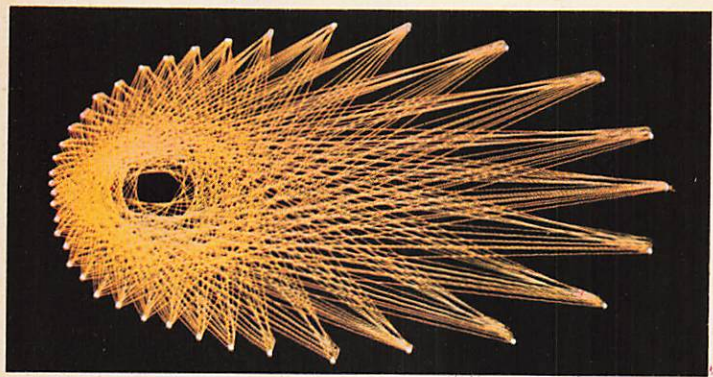
100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99



← **"B" Skag**
SMALL NAILS 1 TO 64



Ellipse Designs



Ellipse designs can also be equally marked off as the circle design shown in Fig. 1. with a compass (do not use a protractor). A protractor may be centered on the major axis of the ellipse to produce unequal points.

If the protractor is placed on the major axis at the focus point and equal angles are marked off the resulting pattern will produce small circles when a large no. of nails are skipped and larger ovals when fewer nails are skipped. The larger the oval, the further it will move into the center of the original design.

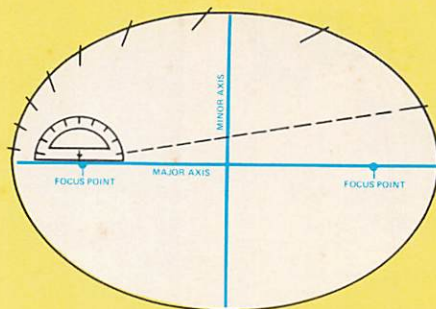


Fig. 7.

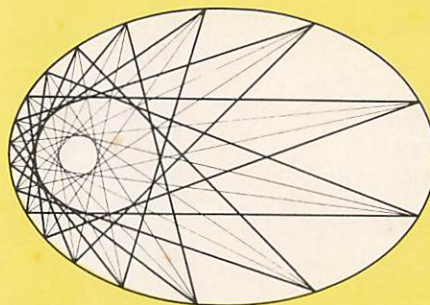


Fig. 8.

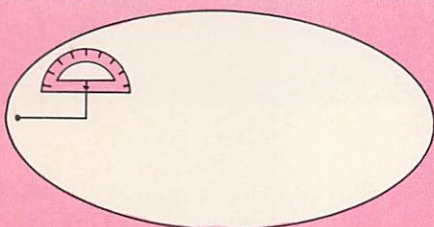
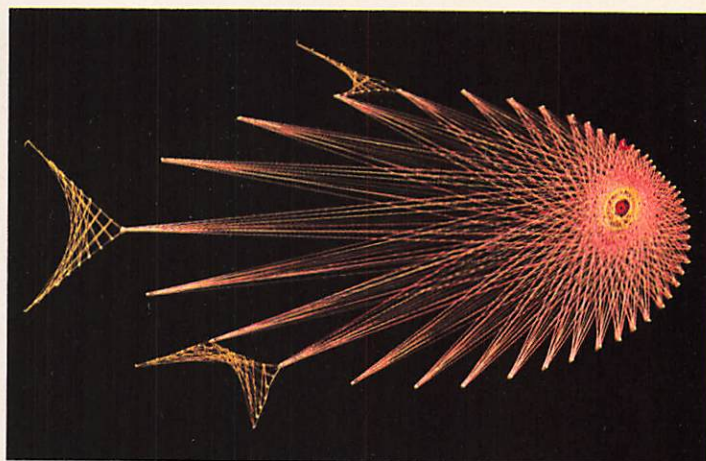
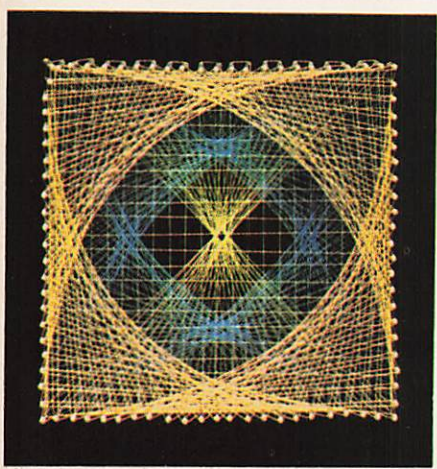


Fig. 9.

To achieve different results, the protractor may be moved to other points inside the ellipse. The fish pattern at right, was made by slightly offsetting the protractor from the focus point and above the major axis. This move, resulted in the direction change of the circles and ovals produced.



Straight Line Designs



Turn to page 5 for Square Design.

Straight lines are by far the simplest design form, and can be used in a variety of different ways. Lines can be intersecting as in Fig. 10 or non-intersecting with points having the same spacing or different spacing. Intersecting lines create angles that can be used in forming interesting curves and designs as shown in the free-form design on page 8. Square pattern combines four right angles with equal spacing.

Parallel lines do not produce curves but can be used as in the square to create an interesting effect. Try offsetting lines and using unequal spacing for something different.

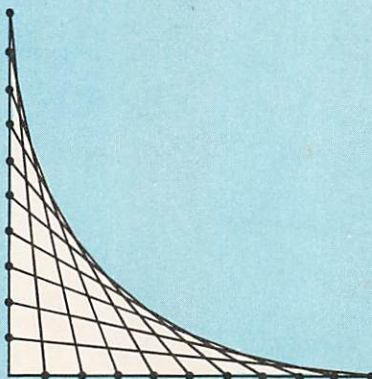


Fig. 10. Intersecting Lines

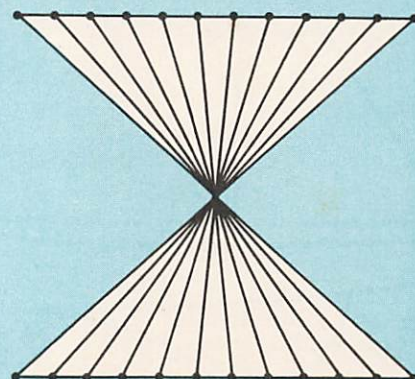


Fig. 11. Parallel Lines

Sailing Boat

Wake up your living area with this dramatic Sailing Ship. Body and skeg may be designed in contrasting colors to match the color scheme of your room. It's the perfect project to keep for your own enjoyment or to give as a unique gift.



KEY:

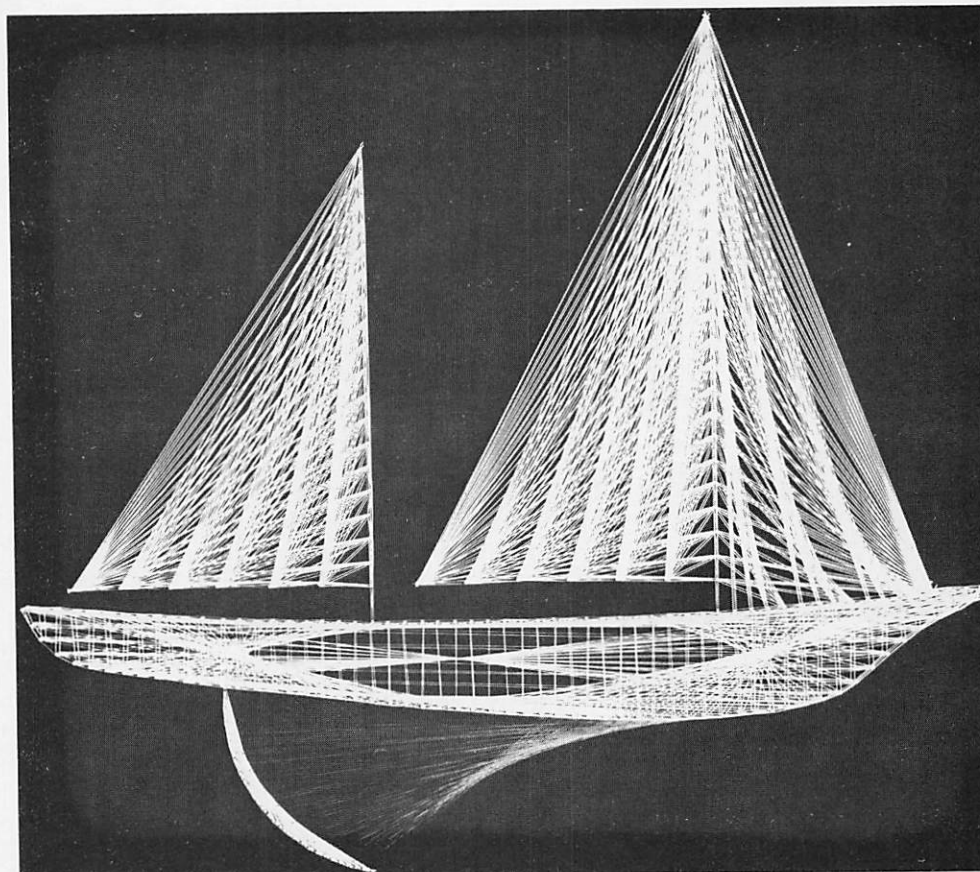
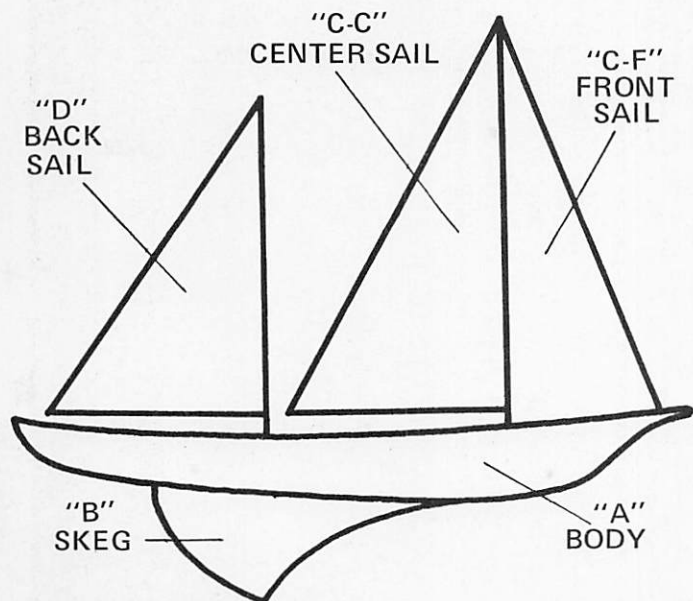
"()" — Counterclockwise
 "R" — Around
 "X" — Clockwise

MATERIALS NEEDED FOR SAILING BOAT:

30" x 36" Board
 33" x 39" Fabric (Black felt shown)
 240 yards Thread — Sails
 144 yards Thread — Body
 48 yards Thread — Skeg
 2 Sawtooth Hangers — HW 78
 Hazel's Crafty White Glue — WG 52

SUGGESTED COLOR PATTERN:

SAILS — White
 SKEG — Brown
 BODY — Yellow



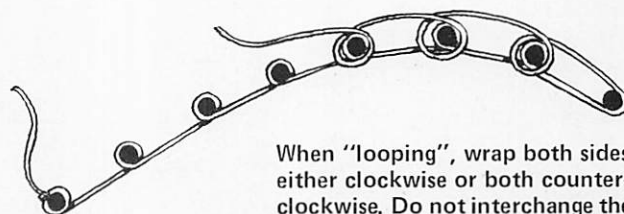
DIRECTIONS:

NOTE: Following basic instructions on page 3, cover board with fabric. Continue to read entire basic instructions before proceeding.

SAILING BOAT PATTERN can be found on center pattern sheet. Trace onto tracing paper to use.

1ST LAYER: "A" BODY

Tie thread onto top of nail no. A-1, leaving an approximate 4" length of thread free. From nail no. A-1, wrap thread clockwise around no. 60 and 61 and back to no. 1, "R" to no. 117, "R" to no. 62 and 63, "R" to no. 116 and 115, "R" to no. 64 and 65, "R" to 114, "R" to 109, "R" to 66 and 67, "R" to 103, "R" to 96, "R" to 69. Wrapping counterclockwise around to 68, 67, 66, to 59. Wrap nail no. 58 counterclockwise around to 60 and 61 wrapping each nail clockwise, up to 57 and 56 wrapping each nail counterclockwise, down to 62 and 63; wrapping each nail clockwise. Continue pattern to no. 116 up to no. 1. Wrap each nail clockwise, going all around body of sailboat until you reach nail no. 1 again. Tie the two thread ends together at nail no. 1. Push this layer down evenly to the bottom. Cut off excess threads 1/8" from knot. Add a small amount of glue to knot to secure.



When "looping", wrap both sides either clockwise or both counterclockwise. Do not interchange the two.

Fig. A.

Sailing Boat, Continued

2ND LAYER: "B" SKEG

Tie thread onto top of nail no. B-64. From nail B-64 wrap thread clockwise ("X") around A-86, "X" back to B-63, "X" to A-86, "X" to B-62, "X" to A-86, "X" to B-61, "X" to A-86, "X" to B-60, "X" to A-85, "X" to B-59, "X" to A-85, "X" to B-58, "X" to A-85, "X" to B-57, "X" to A-85, etc. (Note: You will work the thread four times around A-86 before moving to A-85, and four more times around A-85 before moving to A-84, etc.) Continue this pattern until you reach B-1. Loop thread down nails to B-64 and tie the two ends together. Push this layer down evenly to the bottom. Cut off excess thread 1/8" from knot.

SECOND LAYER: "B" SKEG (yellow)

Tie the thread onto top of nail no. B-64, leaving a 4" length of thread free. Make all wraps counterclockwise. From nail B-64 wrap thread counterclockwise up to B-32, back to B-63, up to B-31, back to B-62, up to B-30, to B-61, to B-29, etc. Continue this pattern until you reach B-1. Go back down the nails looping two nails at a time down to B-64 and tie the two thread ends together at the nail. Cut off excess thread and secure.

2ND LAYER: "C-F" FRONT SAIL

Tie thread onto top of nail no. C-1, leaving 4" thread. From nail C-1 wrap thread around counterclockwise ("()") to A-58, () back to C-1, around C-1 and C-2, down to A-58, () back to C-2, around C-2 and C-3 down to A-58, etc. Continue this pattern until you reach C-24, looping nails back up to C-1. (Note: Work all the way down pole, using only A-58 nail). When back to C-1, go down around counterclockwise A-46, back up to C-1 "R" C-1 and C-2, down to A-46, up to C-2, "R" C-2 and C-3, down to A-46, up to C-3, "R" C-3 and C-4, down to A-46, up to C-4, "R" C-4 and C-5, down to A-46, up to C-5, "R" C-5 and C-6, down to A-46, up to C-6 "R" C-6 and C-7, down to A-47, up to C-7, "R" C-7 and C-8, down to A-47, up to C-8, "R" C-8 and C-9. Continue this pattern until you reach C-12 and C-13. Go down to A-48. Continue as above until you reach C-18 and C-19, down to A-49. Continue pattern until you reach C-24 to A-49. Return to C-24 and "loop" up pole to C-1. See Fig. A. Continue this same pattern once more, C-1 to C-6 down to A-54, C-7 to C-12 down to A-55, C-13 to C-18 down to A-56, C-19 to C-14 down to A-57, "looping" back up pole to C-1. Tie ends together, cut off excess thread. Push no. 46 and 58 down to board, leaving other threads to form an oval

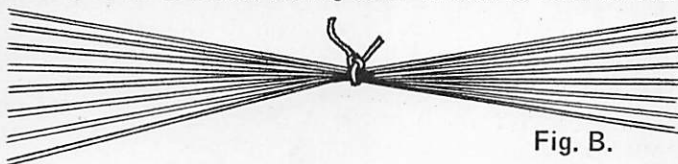


Fig. B.

3RD LAYER: "A" BODY:

Tie thread onto top of nail A-1, leaving 4" thread. Go to A-69, around counterclockwise back to A-117, to A-68, to A-116, to A-67, to A-115. Continue this pattern until you reach A-107, looping up to A-1. Tie the two ends together, cut off excess thread 1/8" from nail. Using a small piece of thread tie all the thread in this layer together in the center as shown in Fig. B. Cut off at knot. Push this layer down to 1/2" from board.

4TH LAYER: "A" BODY:

Tie thread onto top of nail no. A-1. Go to A-90, around counterclockwise to A-2, to A-91, to A-3, to A-92, to A-4, to A-93. Continue this pattern all the way around the boat until you reach the same two starting points (A-1 & A-90) from which you started. Tie ends together and cut off excess thread. Leave this layer at top of nails.

5TH LAYER: "A" BODY

Repeat the first layer of "A" BODY, leaving thread at top of nails as in layer number four of body.

6TH LAYER: "C-C" CENTER SAIL

Tie thread to top of nail C-1. String thread down to C-26, clockwise around C-26, up to C-1, around C-1 and C-2, down to C-26, up to C-2, around C-2 and C-3, down to C-26, etc. Continue pattern down pole to C-24, working nail no. C-26 only, looping up to C-1, around C-1, down to C-27, clockwise up to C-1, around C-1 and C-2, down to C-27. Continue pattern down pole to C-24, working on nail C-28 only, looping up pole to C-1, down to C-29 clockwise up to C-1, around C-1 and C-2, down to C-19, up to C-2, around C-2 and C-3, down to C-29. Continue this pattern down pole to C-14, working on nail C-29 only, looping up pole to C-1. Continue same pattern for nail C-30 and C-31. Tie off at C-1 as before.

7TH LAYER: "D" BACKSAIL

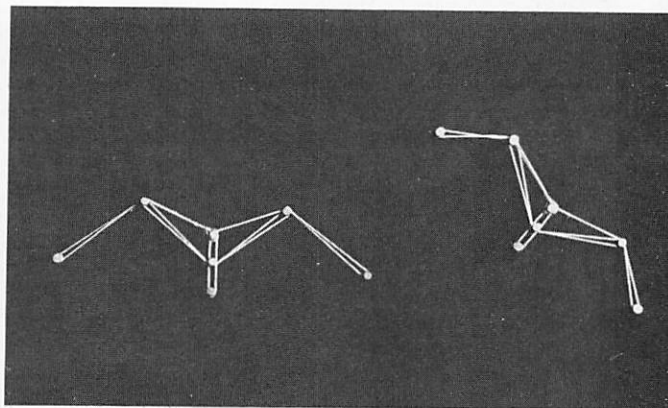
Tie thread onto top of nail D-1. Wrap thread down to D-21 clockwise around up to D-1, around D-1 and D-2, down to D-21. Work "D" the same as the last part of "C-C" above, working down pole from D-1 to D-19 on nail D-21 only. The next time down pole, work on nail D-22 only. Continue until D-26 is complete when you go back to D-1. Tie off at D-1 as before.

8TH LAYER: "C-C" CENTER SAIL & "D" BACKSAIL

Tie thread onto top of nail C-1. Loop thread around each nail clockwise all the way down the pole until you reach nail no. C-25. Loop counterclockwise back up the pole until you reach C-1. Tie off as before. Tie thread to C-31, wrapping around each nail clockwise across to C-24 and back, wrapping clockwise to C-31. Tie off threads as before.

Repeat the same procedure on back sail "D": D-1 down to D-20, back up to D-1, tie off. Tie thread to D-26, working over to D-19, back to D-26. Tie off as before.

When the design is complete, pull paper away from nails very carefully. Nail sawtooth hangers to back side of board.



Seagulls

Tiny far-away birds will accent the Sailboat when scattered across the background of your picture. To make these easy little birds, just follow these simple steps. Pattern can be found on center pattern sheet.

DIRECTIONS:

Tie thread onto top of nail no. 1. Wrapping counterclockwise, wrap thread down and completely around nail 3. Wrap thread over top of nails 1 and 4 and around 5. String thread back over nail 4 and under 2. Go over nail 6 and wrap around 7. String back over top of nail no. 6 and around 1. Wrap thread around no. 4 and under no. 2 around 6 and back to 1. Cut thread 4" past nail and tie off. Cut off excess threads 1/8" from nail no. 1 and add a dab of glue to knot to secure.

Butterfly



This large, graceful butterfly was created in shades of blue, yellows and oranges. Pick your favorite colors and re-create it yourself. See center pattern sheet for butterfly and branch designs. Turn to page 15 for branch instructions.

MATERIALS USED FOR BUTTERFLY & BRANCH:

17" x 26" Board	2 Sawtooth Hangers — HW 78
20" x 29" Fabric (Felt shown)	Hazel's Crafty White Glue—WG 52
322 1" Nails	96 yds. Thread—Upper Wings
40 1½" Nails	72 yds. Thread—Lower Wings
11 yds. Thread—Leaves	4 yds. Thread—Branch

DIRECTIONS:

NOTE: Following basic instructions on page 3 cover board with fabric as directed. Continue to read basic instructions before proceeding. Make all wraps counterclockwise.

1. 1ST LAYER — UPPER LEFT WING "A"

Tie thread onto nail no. A-1, leaving a 4" length of thread free. Wrap as follows, skipping 21 nails between each wrap.

1-22	13-34	25-46	37-58	49-11
2-23	14-35	26-47	38-59	50-12
3-24	15-36	27-48	39-1	51-13
4-25	16-37	28-49	40-2	52-14
5-26	17-38	29-50	41-3	53-15
6-27	18-39	30-51	42-4	54-16
7-28	19-40	31-52	43-5	55-17
8-29	20-41	32-53	44-6	56-18
9-30	21-42	33-54	45-7	57-19
10-31	22-43	34-55	46-8	58-20
11-32	23-44	35-56	47-9	59-21
12-33	24-45	36-57	48-10	

Return thread back to nail no. A-1 and tie off thread. Push completed layer down evenly to bottom of board.

2. 2ND LAYER — UPPER LEFT WING "A"

Tie thread onto nail no. A-1. Repeat above procedure, using starting points A-1 and A-19, skipping 18 nails between each wrap. Continue wrapping until you have two threads on each nail and have returned to the exact two starting points (A-1, A-19) from which you began. Tie off as before. Push this layer down ½" above board.

3. 3RD LAYER — UPPER LEFT WING "A"

Tie thread onto nail no. A-1. Repeat above procedure, using starting points A-1 and A-15, skipping 14 nails between each wrap. Continue wrapping until you have two threads on each nail and have returned to the exact two starting points (A-1, A-15) from which you began. Leave at top of nails.

4. 1ST LAYER — LOWER LEFT WING "A"

Tie thread onto nail no. A-60 and wrap as follows, skipping 17 nails between each wrap:

60-78	66-84	72-90	78-96	84-102
61-79	67-85	73-91	79-97	85-103
62-80	68-86	74-92	80-98	86-104
63-81	69-87	75-93	81-99	87-105
64-82	70-88	76-94	82-100	88-106
65-83	71-89	77-95	83-101	89-60

After returning thread to nail no. A-60, tie off. Push layer down evenly to bottom of board.

5. 2ND LAYER — LOWER LEFT WING "A"

Tie thread onto nail A-60 and wrap as in step 4 using starting points A-60 and A-74, skipping 13 between each wrap, until reaching nail no. A-60. Tie off and push layer down ¼" above board.

6. 3RD LAYER — LOWER LEFT WING "A"

Tie thread onto nail A-60 and wrap as in step 4 using starting points A-60 and A-71, skipping 10 nails between each wrap, until reaching nail A-60. Tie off and leave this layer at top of nails.

7. UPPER AND LOWER RIGHT WINGS "B"

Repeat steps 1, 2, 3, 4, 5 and 6 on "B" nails.

8. WING SPOTS — LEFT AND RIGHT WINGS

Tie thread onto nail C-1 and wrap as follows.

1-5	4-8	7-11	10-14	13-2
2-6	5-9	8-12	11-15	14-3
3-7	6-10	9-13	12-1	15-4

Return to nail C-1 and tie off. Leave layer at top of nails.

9. BODY AND ANTENNA

The body and antenna are simply made by looping on both sides of nails. Tie onto nail no. A-60. Loop up to B-4 and completely around nail. Continue this procedure, looping up right side of nails B-3, B-2, B-1, B-59, B-58, B-54, B-56, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119 and 120. Repeat procedure down left side of nails in same manner. Refer to "looping" diagram on pg. 10. Upon reaching nail number A-60, loop up to B-4 and across to A-4 and down and around B-60. Loop up left side of body and antenna nails as above and back down right side. Tie off on nail B-60.

Cut all threads 1/8" from knot and secure with glue.

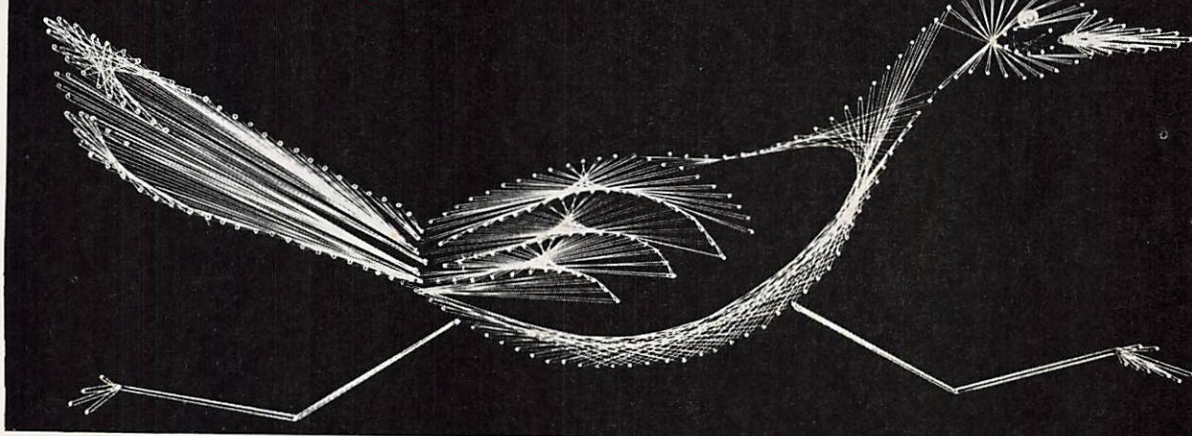
*What room
will you choose to
display this spunky
Roadrunner?*

*Whichever one you
choose, we're
sure you'll be
happy with
the results!!*

*Racey measures
17" x 26" when
completed and
can be made in a
variety of colors.*

*See pattern on
center pattern sheet.*

Racey Roadrunner



MATERIALS USED FOR RACEY ROADRUNNER:

18" x 30" Board	218 1" Nails
20" x 29" Fabric (Black Felt Shown)	66 1 1/4" Nails
1 Push Pin, crystal (Use for Eye)	Thread (Nylon — orange, yellow, red, lt. green, white)
Hazel's Crafty White Glue — WG 52	
Gold Metallic Thread — IB 480	

DIRECTIONS:

NOTE: Follow basic instructions on page 3 and cover board with fabric. Read entire instructions before proceeding. Make all wraps counterclockwise.

Although our roadrunner is not featured in color, directions below will call out colors used for each step. If you wish, colors may be substituted as desired.

1. BODY: (Orange) Tie onto nail no. 16 and wrap as follows:

16-141	25-150	34-20	42-28	50-36
17-142	26-151	35-21	43-29	51-37
18-143	27-152	36-22	44-30	52-38
19-144	28-153	37-23	45-31	53-39
20-145	29-154	38-24	46-32	54-40
21-146	30-155	39-25	47-33	55-41
22-147	31-156	40-26	48-34	56-42
23-148	32-18	41-27	49-35	57-43
24-149	33-19			

Cut thread 4" past nail no. 43 and tie off. Leave threads at top of nails. Tie thread onto nail no. 137. From 137 wrap counterclockwise around nail 144, to 213, to 143, to 212, 142, 211, 141. Tie off on nail no. 141.

2. HEAD: The head is worked in four steps. The Beak, Face, Cheek and Top Knot.

A. FACE: (Yellow) — Tie thread onto nail no. 17. Make all wraps counterclockwise and wrap as follows:

17-165	14-162	11-159	8-156
16-164	13-161	10-158	7-155
15-163	12-160	9-157	

Return thread back to nail 7 and tie off.

B. CHEEK (Red) — Tie thread onto nail 195. Wrap to 200, 196, 201, 197, 202, 198, 203, 199, 204, 200 and back to nail 195. Tie off.

C. BEAK (Metallic Gold) — Tie thread onto nail no. 196. From 196 wrap to 7 and back to 196. Go to 6, back to 196. Continue until you reach nail no. 165, returning to nail 196 between each wrap. Tie off at nail 196.

D. TOP KNOT — The top knot is worked in four different colors; green, orange, yellow and red.

Tie **green** thread onto nail 161. Wrap to 171, back to 161, to 172, 161, 173, 161, 174, 161, 175, 161, 176, 161, 177, 161, 178, 161, 179 and back to 161. Tie off on nail 161.

Tie **orange** thread onto nail 160. Repeat above procedure on nails 180, 181, 182, 183 and 184, returning to nail 160 between each wrap. Tie off at 160.

Tie **yellow** thread onto nail 159. Repeat same procedure again, wrapping nails 185, 186, 187, 188 and 189, returning to 159 between each wrap. Tie off on nail 159.

Tie **red** thread onto nail 158. Wrap as before around nails 190, 191, 192, 193 and 194, returning to nail 158 between each wrap. Tie off at 158.

Leave all threads on head at top of nails. Cut all thread ends approximately 1/8" from nail. Add spot of glue to knot to secure.

3. WING: The wing is worked in four sections using four different colors of thread.

A. SECTION ONE (Yellow) — Tie thread onto nail 205 and wrap as follows: (Do not allow threads to fall beneath second arch).

205-234	210-230	136-225	131-220	126-215
206-235	211-229	135-224	130-219	125-214
207-233	212-230	134-223	129-218	124-205
208-232	213-227	133-222	128-217	
209-231	137-226	132-221	127-216	

Tie thread off on nail no. 205. Leave threads at top.

B. SECTION TWO (Orange) — Tie onto nail 214 and wrap as follows:

214-236	218-251	222-247	226-243	230-239
215-254	219-250	223-246	227-242	231-238
216-253	220-249	224-245	228-241	232-237
217-252	221-248	225-244	229-240	233-214

After returning thread to 214, tie off.

C. SECTION THREE: (White) Tie onto nail 237 and wrap as follows:

237-253	241-266	244-263	247-260	250-257
238-255	242-265	245-262	248-259	251-256
239-268	243-264	246-261	249-258	252-237
240-267				

Tie thread off on nail no. 237.

D. SECTION FOUR: (Lt. Green) Tie on nail 56. Wrap to 256, back to 56, 257, 56, 258, 56, 259, 56, 260 and back to 56. Tie off on 56.

4. TAIL: The tail is worked in 2 layers. The 1st layer consists of 3 colors and the 2nd layer uses gold metallic thread.

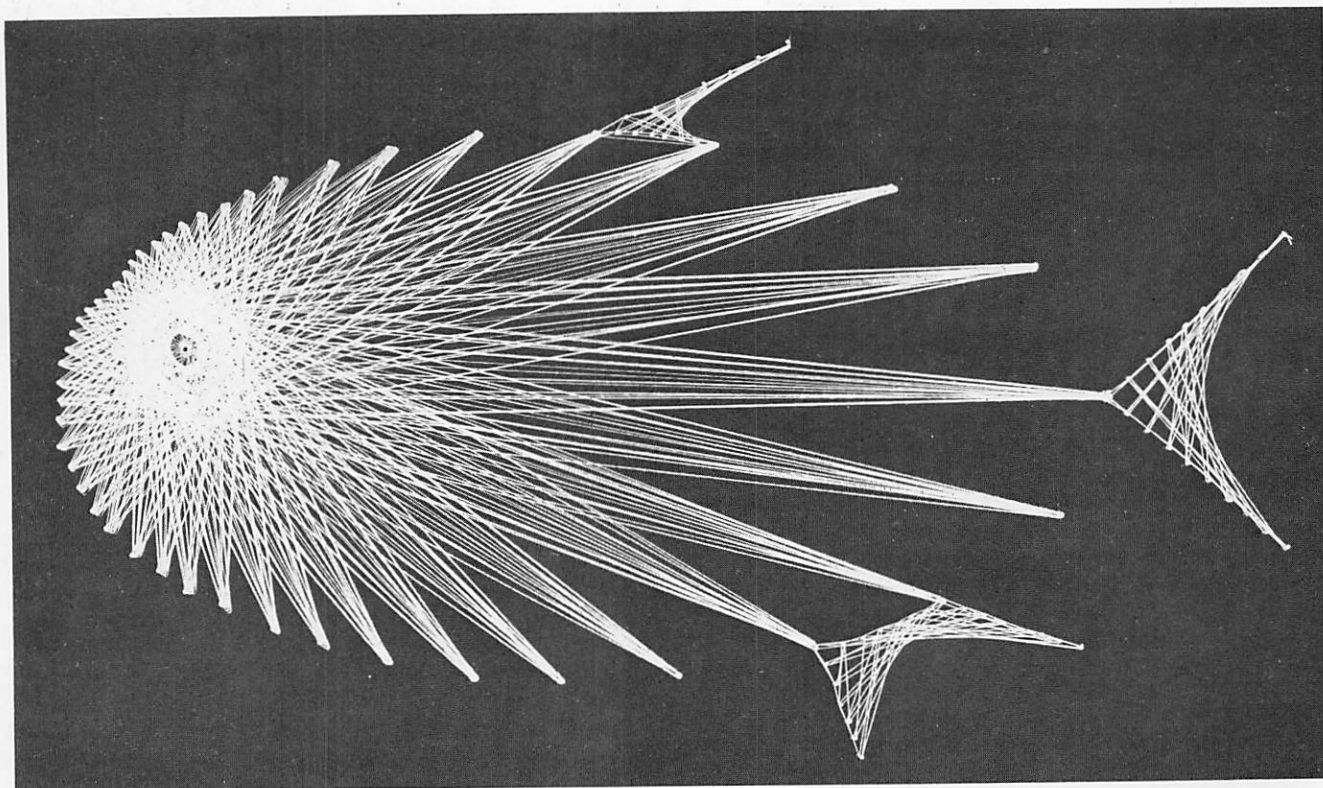
1ST LAYER: Tie **orange** thread on 234 & wrap as follows:

234-123	235-121	235-119	236-117
235-122	235-120	236-118	

Continue wrapping nails 166 back thru 96, returning to nail 236 between each wrap. Return to 236 and wrap to 95, to 254, 94, 254, 93, 254, 92, 254, 91, 254, 90, 254, 89 and back to 254. Tie off thread on nail no. 254.

Tie **yellow** thread onto nail 255. Wrap around nails 89, 88, 87, 86, 85, 84, 83, 82 and 81, returning to nail no. 255 between each wrap. Tie off on nail no. 255.

Continued on page 15.



Fish

Accent your decor with this large 17" x 26" modernistic fish that's sure to please any family. Fashion yours in hues to match the color scheme of your favorite room and why not add the finishing touch by framing in a lovely frame to match?

MATERIALS USED FOR FISH:

17" x 26" Board
20" x 29" Fabric (Black felt shown)
48 yards Thread - for Body, Layers 1 and 4
24 yards Thread - for Body, Layer No. 2
24 yards Thread - for Body, Layer No. 3
2 Sawtooth Hangers - HW 78
Hazel's Crafty White Glue - WG 52

47 - 1½" Nails
51 - ¾" Nails

DIRECTIONS:

NOTE: Following basic instructions on page 3, cover board with fabric. Continue to read entire basic instructions before proceeding. All threads on this design are worked counterclockwise around all nails. Body uses large nails and fins use small nails. (Large nails used in both body and fins are circled on pattern sheet.) See center pattern sheet for fish design.

1. FIRST LAYER: BODY

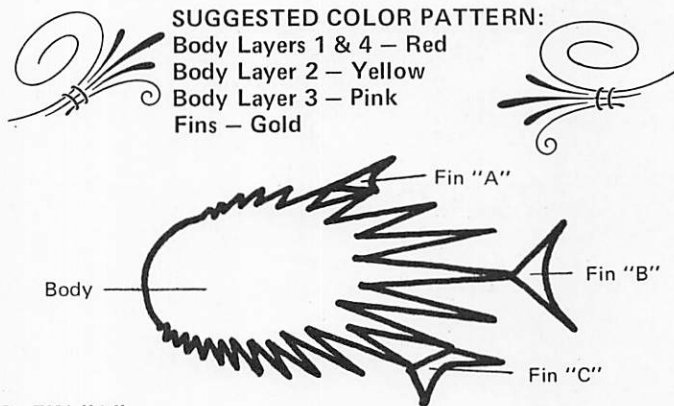
Tie thread onto top of large nail no. 1, leaving a 4" length of thread free. From nail no. 1 wrap as follows:

1-25	13-37	24-1	36-13
2-26	14-38	25-2	37-14
3-27	15-39	26-3	38-15
4-28	16-40	27-4	39-16
5-29	17-41	28-5	40-17
6-30	18-42	29-6	41-18
7-31	19-43	30-7	42-19
8-32	20-44	31-8	43-20
9-33	21-45	32-9	44-21
10-34	22-46	33-10	45-22
11-35	23-47	34-11	46-23
12-36		35-12	47-24

Return thread to nail no. 1. Tie off tail ends and push completed layer down evenly with bottom of board.

SUGGESTED COLOR PATTERN:

Body Layers 1 & 4 - Red
Body Layer 2 - Yellow
Body Layer 3 - Pink
Fins - Gold



2. FIN "A":

Tie thread onto small nail number 1, leaving a 4" length of thread free. Wrap in following order:

1-44	5-11	45-7	10-3
2-8	6-12	13-6	9-2
3-9	7-13	12-5	8-1
4-10	44-45	11-4	

Tie off tail ends and push layer down ¼" from board.

3. FIN "B":

Tie thread onto small nail no. 1 and wrap fin in following order:

1-10	6-15	9-16	5-12
2-11	7-16	8-15	4-11
3-12	8-17	7-14	3-10
4-13	9-18	6-13	2-Lg.1
5-14	Lg.1-17		

Return thread to small nail no. 1 and tie off tail threads. Push completed layer down evenly ¼" above board.

Fish, continued

4. FIN "C":

Tie thread onto small nail no. 1 and continue by wrapping as follows:

1-11	7-16	10-19	6-14
2-12	Lg.3-17	9-18	5-Lg.4
3-13	8-18	8-17	4-13
Sm.4-Lg.4	9-19	Lg.3-16	3-12
5-14	10-20	7-15	2-11
6-15			

Return thread to small nail no. 1. Cut and tie off threads. Push layer of thread down 1/4" from bottom of board.

5. SECOND LAYER: BODY

Tie thread onto top of large nail no. 1. Wrap second layer of body as in step no. 1, using starting points 1-27. Continue pattern until each nail has two threads on it and you have reached the same two points (1-27) from which you started. Cut thread and tie off as before. Push completed layer down 1/2" from bottom of board.

6. THIRD LAYER: BODY

Tie thread onto top of large nail no. 1. Wrap third layer of body as in step no. 1, using starting points 1-29. Continue pattern until each nail has two threads on it and you have reached the same two points (1-29) from which you started. Cut thread and tie off as before. Push completed layer down 1" from bottom of board.

7. FOURTH LAYER: BODY

Tie thread onto top of large nail no. 1. Wrap fourth layer of body as in step no. 1, using starting points 1-31. Continue pattern until each nail has two threads on it and you have reached the same two points (1-31) from which you started. Cut thread and tie off as before. Leave this layer at the top of the nails.

8. Cut off all tail end threads 1/8" from nails. Add a dab of Hazel's Crafty White Glue to each knot to secure.

9. Nail sawtooth hangers to back side of board to complete.

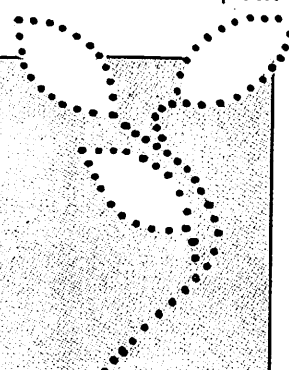
Branch and Leaves

Continued from page 12

DIRECTIONS:

1. **LEAVES:** Each leaf is made using the same procedure. Tie thread onto nail no. 1 at base of leaf. Make all wraps counterclockwise. String each nail, in order, returning to base nail, no. 1 between each wrap. 1-2, 1-3, 1-4, 1-5, etc. Repeat for second and third leaves.

2. **STEM:** Tie thread onto bottom nail of branch. Using the "looping" technique as shown on page 10, loop up right side of main stem and back down left side of main stem. Repeat this procedure for each small side stem as well. Tie off. Cut all excess threads 1/8" from nails. Add a dab of Hazel's Crafty White Glue to each knot to secure.



Roadrunner

Continued from page 13.

Tie light green thread onto nail no. 268. From 268 wrap nails 81 back thru 58, returning to nail 268 between each wrap. Tie off on beginning nail no. 268.

2ND LAYER: Tie gold thread on 89 and wrap as follows:

89-99	91-101	93-103	95-105	97-107
90-100	92-102	94-104	96-106	98-108
				99-109

Tie thread off on nail no. 109.

Tie gold thread onto nail 83. From 83 wrap around 75, 84, 74, 80, 73, 79, 72, 78, 71, 77, 70. Tie off on nail no. 70.

Cut any excess thread ends approximately 1/8" from nails. Add a small amount of white glue to each knot to secure.

5. FEET & LEGS — Make all wraps clockwise (gold metallic thread)

Front: Tie onto 32 & wrap around 269. Go to and around 270. From 270 wrap nails 273, 274, 275, 276, 277, 278, 272 & 271, returning to 270 between wraps. Go around 270 & back around 269 & back to 32. Tie off on nail no. 32.

Rear: Tie onto 53 and wrap around 279, to and around 280. From 280 wrap nails 281, 282, 283 and 284, returning to 280 between wraps. Go around 280 & back around 279 & back to 53. Cut and secure end threads with glue.

6. EYE: (Push pin)

Push the pin into place between threads on nails 163 and 164 as indicated on pattern sheet.



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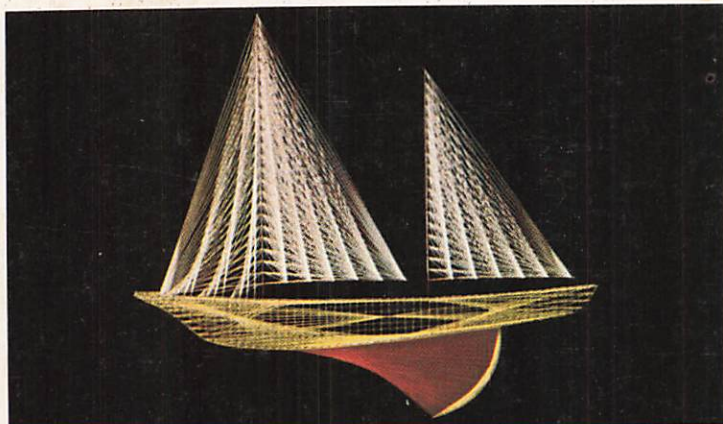
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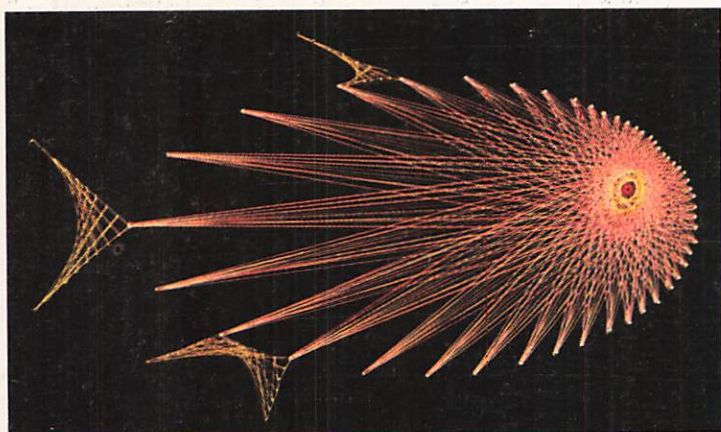
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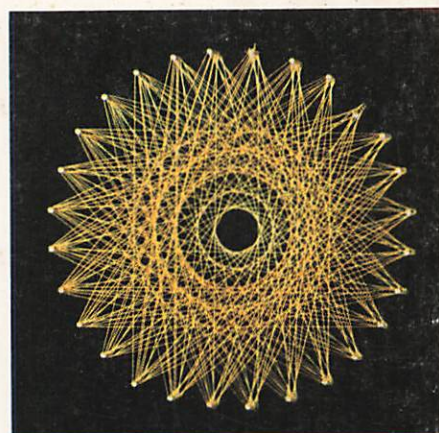
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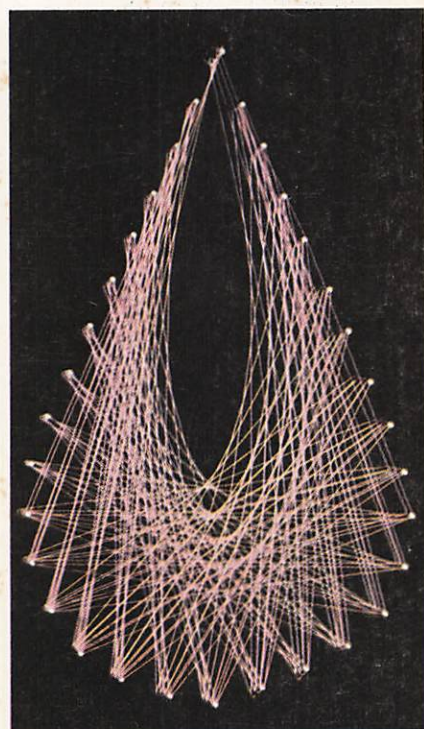
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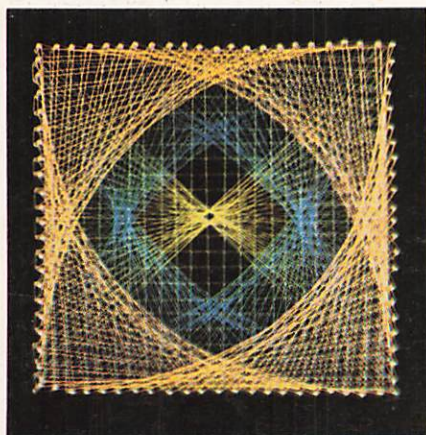
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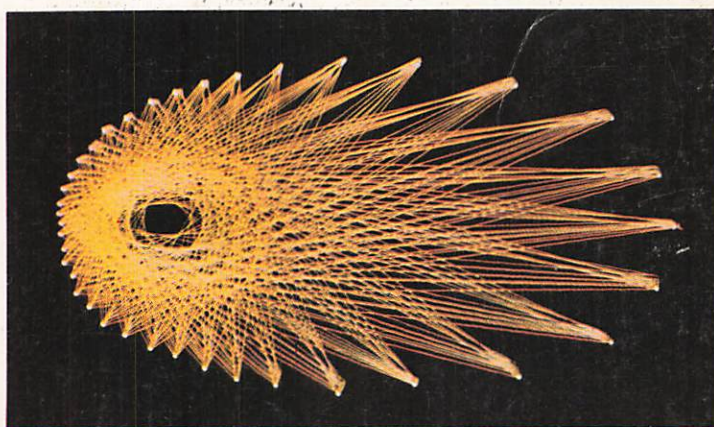
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